SECRET 25 June 1954

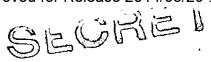
MEMORANDUM FOR: THE RECORD	
SUBJECT: Project Monitor at 50)X1
50)X1
)X1)X1
2. Attendance:)X1
3. Purpose: To investigate the status of P-77 and P-89 currently being worked on by)X1
4. Discussion:	
a. The Portable Record Amplifier project has been delayed by the	
decision not to wait for the previously constructed mechanical tape transport mechanism built by TSS/ASD. project engineer for this emplifie50) X 1
project, will install the amplifier in a standard tape transport mechanism and the project will then be closed if no further interest is shown in this device.	,,,,,,
	·0V
5	0X1
·	
c. Delivery of 5 each time signal radios will be made on 10 July.	
	50X
his proposal will be written shortly after the five WWV (5 mc) radios are completed.	
d. The Microphone Preamplifier project is now held in abeyance pending	
the outcome of the next AFD panel meeting. A memorandum from the undersigned to the C/TSS/AFD/EEB dated 10 June 1954 requests that the panel indicate whether	-
or not production of this item should be initiated at this time. Subsequent to	50)
	50X
e. Progress on the component parts for the Transistorized Sound-D-Tech <u>Kit</u> (P-89) can be summarized as follows:	
DOCUMENT NO.	
DOCUMENT NO	

Declassified in Part - Sanitized Copy Approved for Release 2014/05/29 : CIA-RDP78-03153A002000040006-2

NEXT REVIEW DATE:



1) The 90 db amplifier is completed (10 each) and now undergoing temperature and humidity testing at the amplifiers have not been potted as yet.	50X1
2) The Metal Detector should be completed by 25 June 1954. Suggestions were made by the undersigned which delayed the finalizing of this unit. It was suggested that provision be made for holding the detector easily in hand and that provision be made for operating the unit on the end of a telescoping rod, thus providing the operator accessibility to out-of-reach areas where hidden microphones could be planted. It was requested that a diagram of the detectable area of the kit operating with the 90 db amplifier be made and compared to a diagram of the detectable area of the old metal detector used with the BASS-3 amplifier. A graph of the effective range was also requested.	50X1
3) Work on the telephone induction coil is being delayed by slow procurement of parts for this unit. Drawings and operating instructions are being outlined in the interim.	41
4) The rf tuner (and probe attachment) is designed and now being miniatureized. Work is being done to develop an effective fin probe to complement the recently designed am probe.	,
f. No progress has been made on the general problem of the Miniature Remote Controlled Radio Switch. Remote Controlled Radio Switch. report was re-delivered to he letter of 28 May 1974. Tas/Aru is awaiting re-submission of technical proposal. has mentioned that the be- relay that can be procured at this time requires 60 mw for operation and will switch 1 ampere at 28 volts.	2 50X1 50X1
g. Frequency response curves for the Shure MC-10 and MC-11 microphones were delivered to TSS/AFD and subsequently re-delivered to TSS/ASD. The MC-11 gives 6 db gain over the MC-10. A Remler microphone and two crystal wrist-watch microphones were delivered for evaluation and inspection, respecti	
h. and the undersigned discussed the problems involved in the filing of patent disclosures. It was agreed that a disclosure section would be added as a part of the monthly reports. Ideas and inventions which TSS/APD wants to follow up on can then be discussed with Legal Counsel for TSS. The May monthly report was delivered at this time.	
	50X1

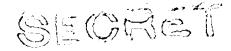


being used as a receiver. The modification mentioned above is done by adding capacitance to the rf, antenna and oscillator tuning condensors. A radio adaptor was completed and demonstrated. At present, it appears as if it might be wiser to build a special receiver for the picture frame transmitter. No decision in this respect has yet been made since the undersigned believes more testing is required before making a final decision. The modified portable radio has some advantages from a security point of view.

•	Minutes of the	· Faces	on 16 March have been	50X1
k. similar to th A critique of	lose which were de the first 4 tran	cructed to improve up Livered to TSS/APD formatters was deliver	or forwarding to TSS/ASD.	50X1 50X1 50X1
receiver and tion were har	progress reports : ided to	Nos. 26388A, 26388B, for his staff.	AF, the transistorized 26388C, and Commo's evaluations was done in the hope at has been made at the	3. e
subject of 100 mw rf sou	building a rece. This meeting are fi	anged with transistorized trans g was held on Friday, led in the P-77 proje	n New York City on the mitter to operate from a , 18 June 1954. The ect file.	50X1 50X1
8.	- Control of the Cont		and the standard of the standa	50X1
	1) Build five WWV	time signal radios		
	2) Write proposal	on a 5, 10, and 15 m	nc time signal radio	
	3) Construct a 74	mc ministure, transi	istorized transmitter	
Tech Kit	(i) Complete and de	eliver a prototype of	a transistorized Sound-D-	
	5) Complete and de	eliver a prototype of	an oscillator and receive	50X1
	6) Complete and de	eliver a 490 KC trans	mitter and accompanying	

- 7) Rewrite proposal on remote controlled radio switch
- 8) Return 3 each 80 do smplifiers submitted for repairs





- 9) Continue to submit new transistor test data
- 10) Complete and deliver one portable record amplifier mounted on conventional tape transport mechanism
 - TSS/APD/EKB

l) Inform presmplifiers	of outcome	of APD panel action on micro	phone 50X1
2) Deliver	critique on l	each 110 volt transmitters to	50X1

3) Draft specifications for Sound-D-Tech Kit

155/APD

50X1

Distribution:

Chrono - 1

STAT